

INTERNATIONAL SEARCH REPORT

Intern: Application No
PCT 03/13082

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H05G1/10 H05G1/36 H05G1/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H05G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 567 939 A (HOLLAND WILLIAM P ET AL) 2 March 1971 (1971-03-02) column 1, line 11-14 column 2, line 15,16 column 2, line 28-30	1,5
Y	column 2, line 34 column 3, line 27,28 column 3, line 62-69 column 4, line 22-28	2,3
Y	DE 659 016 C (C H F MUELLER AKT GES) 22 April 1938 (1938-04-22) the whole document	2
	-/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

1 March 2004

Date of mailing of the international search report

08/03/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	GB 649 876 A (ERNEST WILLIAM TITTERTON; HUGH GORDON VOORHIES) 7 February 1951 (1951-02-07) the whole document page 2, column 2, line 107 -----	3
A	PATENT ABSTRACTS OF JAPAN vol. 010, no. 121 (E-401), 7 May 1986 (1986-05-07) & JP 60 254600 A (TOSHIBA KK), 16 December 1985 (1985-12-16) abstract -----	5

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3567939	A	02-03-1971	DE 1952859 A1 NL 6916628 A	06-05-1970 08-05-1970
DE 659016	C	22-04-1938	NONE	
GB 649876	A	07-02-1951	NONE	
JP 60254600	A	16-12-1985	NONE	